

Hana Kudrnová

List of Publications by Year in descending order

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25
papers

283
citations

840776

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25
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat treatment and age hardening of Al–Si–Mg–Mn commercial alloy with addition of Sc and Zr. <i>Materials Characterization</i> , 2017, 129, 1-8.	4.4	55
2	Precipitation in cold-rolled Al–Sc–Zr and Al–Mn–Sc–Zr alloys prepared by powder metallurgy. <i>Materials Characterization</i> , 2013, 86, 59-68.	4.4	45
3	Hydrogen absorption in Mg-Gd alloy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22598-22604.	7.1	24
4	Microhardness and In Vitro Corrosion of Heat-Treated Mg–Y–Ag Biodegradable Alloy. <i>Materials</i> , 2017, 10, 55.	2.9	23
5	Phase transformations in novel hot-deformed Al–Zn–Mg–Cu–Si–Mn–Fe–Sc–Zr alloys. <i>Materials and Design</i> , 2020, 193, 108821.	7.0	21
6	Natural and artificial aging in Mg-Gd binary alloys. <i>Journal of Alloys and Compounds</i> , 2018, 738, 173-181.	5.5	16
7	Annealing Effects in Cast Commercial Aluminium Al–Mg–Zn–Cu–Sc–Zr Alloys. <i>Metals and Materials International</i> , 2021, 27, 995-1004.	3.4	15
8	Early Stages of Precipitation Process in Al-(Mn)-Sc-Zr Alloy Characterized by Positron Annihilation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 1556-1564.	2.2	14
9	Effect of deformation on evolution of Al ₃ (Er,Zr) precipitates in Al–Er–Zr-based alloy. <i>Materials Characterization</i> , 2022, 186, 111781.	4.4	14
10	Thermal stability and microstructure development of cast and powder metallurgy produced Mg–Y–Zn alloy during heat treatment. <i>Journal of Magnesium and Alloys</i> , 2017, 5, 173-180.	11.9	13
11	Role of Small Addition of Sc and Zr in Clustering and Precipitation Phenomena Induced in AA7075. <i>Metals</i> , 2021, 11, 8.	2.3	11
12	Annealing effects in hot-deformed Al-Mn-Sc-Zr alloys. <i>Metallic Materials</i> , 2021, 52, 295-304.	0.3	9
13	Annealing effects in commercial aluminium hot-rolled 7075–Sc–Zr alloys. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1613-1623.	3.6	8
14	On the Sc-rich core of Al ₃ (Sc,Er,Zr) precipitates. <i>Materials Letters</i> , 2022, 325, 132759.	2.6	4
15	Influence of Natural Ageing on Precipitation Processes during Isochronal Annealing in MgGd Alloys. <i>Defect and Diffusion Forum</i> , 0, 365, 42-48.	0.4	3
16	Influence of powder metallurgy route on precipitation processes in MgTbNd alloy. <i>Materials Characterization</i> , 2016, 112, 149-154.	4.4	3
17	Phase Transformations and Recrystallization in Cold-Rolled Al–Mn, Al–Sc–Zr and Al–Mn–Sc–Zr Alloy. <i>Defect and Diffusion Forum</i> , 0, 354, 93-100.	0.4	2
18	Heat Treatment of Cast and Cold Rolled Al–Yb and Al–Mn–Yb–Zr Alloys. <i>Materials</i> , 2021, 14, 7122.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Development of Microstructure and Properties of Mg-Y-(Nd)-Zn Alloys during Heat and Mechanical Treatment. Defect and Diffusion Forum, 0, 369, 157-162.	0.4	1
20	The Effect of Heat Treatment on Morphology and Phase Composition of Grain Boundary Phases in Mg-Zn-Y-Nd-Zr. Defect and Diffusion Forum, 2015, 365, 30-35.	0.4	0
21	Mechanical, Thermal and Electrical Characteristics of Conventionally Cast and Cold-Rolled 5754-Sc-Zr Aluminium Alloy. , 2019, 22, 55-64.		0
22	Influence of Heat Treatment on Microhardness and Phase Transformations in Cast and Homogenized 7075(-Sc-Zr) Aluminium Alloys. , 0, 27, 25-34.		0
23	THERMAL CHARACTERISTICS AND ELECTRICAL PROPERTIES OF HOT DEFORMED AA7075 ALLOYS WITH AND WITHOUT Sc, Zr ADDITIONS. , 2020, , .		0
24	Mechanical and electrical properties of cast Al-Sc-Zr alloy. , 2021, , .		0
25	Precipitation Effects in Cast, Heat-Treated and Cold-Rolled Aluminium AA7075 Alloy with Sc,Zr-Addition. Defect and Diffusion Forum, 0, 413, 217-224.	0.4	0